

Osamah Siddiqui

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

750
citations

567281

15
h-index

526287

27
g-index

32
all docs

32
docs citations

32
times ranked

634
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Optimization of a Dual Renewable Energy-Based Plant Utilizing Integrated Hydrogen to Ammonia and Fuel Cell Systems. <i>Energy & Fuels</i> , 2021, 35, 670-689.	5.1	4
2	Design and assessment of a new solar-based biomass gasification system for hydrogen, cooling, power and fresh water production utilizing rice husk biomass. <i>Energy Conversion and Management</i> , 2021, 236, 114001.	9.2	30
3	Development and analysis of a new renewable energy-based industrial wastewater treatment system. <i>Journal of Environmental Management</i> , 2021, 290, 112564.	7.8	4
4	Development and performance assessment of new solar and fuel cell-powered oxygen generators and ventilators for COVID-19 patients. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 33053-33067.	7.1	12
5	Ammonia Fuel Cells for Wind Power Smoothing and Control for Smart Grid Applications. , 2021, , .		3
6	A Comparative Life-Cycle Assessment of Two Cogeneration Plants. <i>Energy Technology</i> , 2020, 8, 1900425.	3.8	3
7	Performance investigation of a new renewable energy-based carbon dioxide capturing system with aqueous ammonia. <i>International Journal of Energy Research</i> , 2020, 44, 2252-2263.	4.5	22
8	Development of a sustainable energy system utilizing a new molten-salt based hybrid thermal energy storage and electrochemical energy conversion technique. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 42, 100866.	2.7	5
9	Integrated ammonia fuel cell systems. , 2020, , 157-197.		1
10	Ammonia fuel cells. , 2020, , 77-122.		5
11	A new solar and geothermal based integrated ammonia fuel cell system for multigeneration. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 34637-34653.	7.1	53
12	Experimental investigation of a sustainable integrated ammonia synthesis and fuel cell system. <i>Fuel</i> , 2020, 278, 118300.	6.4	7
13	Development and evaluation of a solar-based integrated ammonia synthesis and fuel cell system. <i>Journal of Cleaner Production</i> , 2020, 256, 120393.	9.3	16
14	A new solar energy system for ammonia production and utilization in fuel cells. <i>Energy Conversion and Management</i> , 2020, 208, 112590.	9.2	32
15	Development of a new ammonia-based energy storage option for grid balancing. <i>Energy Storage</i> , 2020, 2, e145.	4.3	11
16	Experimental investigation of improvement capability of ammonia fuel cell performance with addition of hydrogen. <i>Energy Conversion and Management</i> , 2020, 205, 112372.	9.2	19
17	Design and Analysis of a Novel Integrated Wind-Solar-OTEC Energy System for Producing Hydrogen, Electricity, and Fresh Water. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2019, 141, .	1.8	13
18	Development and evaluation of a new hybrid ammonia fuel cell system with solar energy. <i>Energy</i> , 2019, 189, 116185.	8.8	6

#	ARTICLE	IF	CITATIONS
19	Analysis and modelling of microwave plasma hydrogen production utilizing water vapor and tungsten electrodes. International Journal of Hydrogen Energy, 2019, 44, 25319-25334.	7.1	6
20	Development of a novel renewable energy system integrated with biomass gasification combined cycle for cleaner production purposes. Journal of Cleaner Production, 2019, 241, 118345.	9.3	42
21	Experimental investigation and assessment of direct ammonia fuel cells utilizing alkaline molten and solid electrolytes. Energy, 2019, 169, 914-923.	8.8	31
22	Exergetic Performance Investigation of Varying Flashing From Single to Quadruple for Geothermal Power Plants. Journal of Energy Resources Technology, Transactions of the ASME, 2019, 141, .	2.3	5
23	Development and Assessment of a Novel Integrated System Using an Ammonia Internal Combustion Engine and Fuel Cells for Cogeneration Purposes. Energy & Fuels, 2019, 33, 2413-2425.	5.1	11
24	Development and performance evaluation of a direct ammonia fuel cell stack. Chemical Engineering Science, 2019, 200, 285-293.	3.8	25
25	Development of a novel hybrid regenerative-electrode ammonia fuel cell and battery system. Energy Conversion and Management, 2019, 181, 476-484.	9.2	7
26	A Review on Fuel Cell-Based Locomotive Powering Options for Sustainable Transportation. Arabian Journal for Science and Engineering, 2019, 44, 677-693.	3.0	31
27	A novel hybrid ammonia fuel cell and thermal energy storage system. International Journal of Energy Research, 2019, 43, 3006-3010.	4.5	16
28	A review and comparative assessment of direct ammonia fuel cells. Thermal Science and Engineering Progress, 2018, 5, 568-578.	2.7	99
29	Examination of a new solar-based integrated system for desalination, electricity generation and hydrogen production. Solar Energy, 2018, 163, 224-234.	6.1	84
30	Investigation of a New Anion Exchange Membrane-based Direct Ammonia Fuel Cell System. Fuel Cells, 2018, 18, 379-388.	2.4	32
31	Analysis and performance assessment of a new solar-based multigeneration system integrated with ammonia fuel cell and solid oxide fuel cell-gas turbine combined cycle. Journal of Power Sources, 2017, 370, 138-154.	7.8	115